Please amend page 21, line 1 as follows:

Claims What is claimed is:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Original) A method for the production of an aromatic or hetroaromatic fluorinelabelled compound comprising fluoridation of an iodonium salt with a fluoride ion source characterised in that the reaction solvent comprises water.
- 2. (Original) A method as claimed in claim 1, wherein the reaction solvent is 100% water.
- 3. (Original) A method as claimed in claim 1 wherein the reaction solvent is a mixture of water and a water miscible solvent.
- 4. (Original) A method as claimed in claim 3, wherein the water miscible solvent is acetonitrile, ethanol, methanol, tetrahydrofuran or dimethylformamide.
- 5. (Currently amended) A method as claimed in claim 3 or claim-4 wherein the volume:volume ratio of water:water-miscible solvent is between 1:99 and 1:1.
- 6. (Original) A method as claimed in claim 5 wherein the volume:volume ratio of water:water-miscible solvent is from 10:90 to 30:70.
- 7. (Currently amended) A method as claimed in any one of claims 1 to 6claim 1, wherein the fluoride ion source is potassium, caesium or sodium fluoride.

8. (Currently amended) A method as claimed in any one of claims 1 to 7 claim 1 for the fluoridation of an iodonium salt of Formula (I) or (II):

$$R^{2}$$
 R^{3}
 R^{4}
 R^{5}
 R^{1}
 R^{2}
 R^{1}
 R^{1}
 R^{2}
 R^{2}
 R^{3}
 R^{4}

wherein:

Q is an electron deficient aromatic or heteroaromatic moiety;

each of R^1 , R^2 , R^3 , R^4 and R^5 is independently hydrogen, -O(C_{1-10} alkyl) or C_{1-10} alkyl; and

Y is a counter ion such as trifluoromethane sulfonate (triflate), perfluoro C_2 - C_{10} alkyl sulphonate, trifluoroacetate, methane sulfonate (mesylate), toluene sulfonate. (tosylate), tetraphenylborate;

to give a product of general formula (III):

where Q is as defined for general formulae (I) and (II).

- 9. (Original) A method as claimed in claim 8, wherein each of R^1 - R^5 is independently selected from hydrogen, C_{1-3} alkyl and -O-(C_1 - C_3 alkyl).
- 10. (Currently amended) A method as claimed in claim 8 or claim 9 wherein, in the compound of Formula II, the "solid support" is polystyrene, polyacrylamide, polypropylene or glass or silicon coated with such a polymer.

- 11. (Currently amended) A method as claimed in any one of claims 8 to 10 claim 8 wherein the solid support is in the form of small discrete particles or is a coating on the inner surface of a reaction vessel.
- 12. (Currently amended) A method as claimed in any one of claims 8 to 11 claim 8, wherein, in the compound of Formula II the "linker" is C_{1-20} alkyl or C_{1-20} alkoxy, attached to the resin by an amide ether or a sulphonamide bond or a polyethylene glycol (PEG) linker.
- 13. (Currently amended) A method as claimed in any one of claims 8 to $12\underline{\text{claim }}8$ wherein the aromatic group Q is substituted with one or more substituents selected from C_{1-10} alkyl, $-O(C_{1-10}$ alkyl), -C(=O) C_{1-10} alkyl, $-C(=O)NR^6(C_{1-10}$ alkyl), $-(C_1-C_6$ alkyl)-O- $(C_1-C_6$ alkyl), C_{5-14} aryl, $-O(C_{5-14}$ aryl), $-C(=O)C_{5-14}$ aryl, $-C(=O)NR^6(C_{5-14}$ aryl, C_{5-14} heteroaryl, $-O(C_{5-14}$ heteroaryl), $-C(=O)C_{5-14}$ heteroaryl, $-C(=O)NR^6(C_{5-14}$ heteroaryl), $-C(=O)NR^6(C_{3-10}$ cycloalkyl), $-C(=O)NR^6(C_{3-10}$ heterocyclyl), $-C(=O)NR^6(C_{3-10}$ heterocyclyl), $-C(=O)NR^6(C_{5-14}$ heterocyclyl), $-C(=O)NR^6(C_{5-14}$ heterocyclyl), $-C(=O)NR^6(C_{5-14}$ heterocyclyl), $-C(=O)NR^6(C_{5-14}$ heterocyclyl),

wherein R^6 is H, C_1 - C_6 alkyl, C_3 - C_{10} cycloalkyl, C_3 - C_{10} heterocyclyl, C_4 - C_{10} aryl or C_4 - C_{10} heteroaryl;

any of which may optionally be substituted with OH, NHR⁶, COOH or protected versions any of these groups; or alternatively

any two adjacent substituents may form a four- to six-membered carbocyclic or heterocyclic ring, optionally fused to a further aromatic, heteroaromatic, carbocyclic or heterocyclic ring.

- 14. (Original) A method as claimed in claim 13, wherein the aromatic moiety Q has an additional substituent selected from OH, NHR⁶ or halogen.
- 15. (Currently amended) A method as claimed in any one of claims 8 to 14claim 8, wherein the group Q is one of the following:

- 16. (Currently amended) A method as claimed in any one of claims 1 to 18claim 1, wherein the fluorine-labelled compound is an [¹⁸F]-labelled compound and the fluoride ion source is a source of ¹⁸F.
- 17. (Currently amended) A method as claimed in claim 15 or claim 16, wherein the F-labelled compound is selected from the following:

- 18. (Currently amended) A method as claimed in any one of claims 1 to 17claim 1, further including, in any order, one or more of the following steps: removal of excess ¹⁸F, for example by ion-exchange chromatography; and/or
 - (i) removal of the protecting groups; and/or
 - (ii) removal of organic solvent; and/or
 - (iii) formulation of the resultant compound as an aqueous solution.
- 19. (Original) A kit for the production of an aromatic fluorine-labelled compound, the kit comprising:
- (i) a vial containing an aqueous solvent for dissolving the fluoride ion source; and
- (ii) a reaction vessel containing an iodonium salt.
- 20. (Original) A kit as claimed in claim 19, wherein the solvent is 100% water.
- 21. (Original) A kit as claimed in claim 19 wherein the solvent is a mixture of water and a water miscible solvent.
- 22. (Original) A kit as claimed in claim 21, wherein the water miscible solvent is acetonitrile, ethanol, methanol, tetrahydrofuran or dimethylformamide.
- 23. (Currently amended) A kit as claimed in claim 21 or claim 22 wherein the volume:volume ratio of water:water-miscible solvent is between 1:99 and 1:1.
- 24. (Original) A kit as claimed in claim 23 wherein the volume:volume ratio of water:water-miscible solvent is from 10:90 to 30:70.
- 25. (Currently amended) A kit as claimed in any one of claims 19 to 24 claim 19 wherein the iodonium salt is compound of general formula (I) or (II) as defined in any one of claims 8 to 15.

- 26. (Currently amended) A kit as claimed in claim 20 wherein the iodonium salt is a compound of general formula (II) as defined in any one of claims 8 to 15 and the solid support comprises a coating on the surface of the reaction vessel.
- 27. (Currently amended) A kit as claimed in any one of claims 19 to 26claim 19, wherein the reaction vessel is a cartridge or a microfabricated vessel.
- 28. (Currently amended) A kit as claimed in any one of claims 19 to 27claim 19, further comprising comprising a source of fluoride ions.